LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.419	418	422	428	rVB	56378	66696	1.52%	0.089%
2	5.190	548	553	568	rVB	2244834	2204171	50.28%	2.932%
3	6.231	726	730	734	rBV	2548108	2285078	52.12%	3.039%
4	6.360	749	752	756	rBV	2723669	2425324	55.32%	3.226%
5	6.595	789	792	796	rBV	1673952	1341860	30.61%	1.785%
6	6.754	815	819	822	rBV	2244197	1855918	42.33%	2.468%
7	6.860	833	837	845	rBV	54715	61023	1.39%	0.081%
8	7.154	883	887	890	rBV	1892082	1443571	32.93%	1.920%
9	7.878	1006	1010	1013	rBV	2294409	1813771	41.37%	2.412%
10	8.589	1126	1131	1134	rBV2	77246	80238	1.83%	0.107%
11	8.954	1189	1193	1196	rBV	3168429	2441000	55.68%	3.247%
12	9.289	1247	1250	1252	rBV	73848	71739	1.64%	0.095%
13	9.348	1256	1260	1266	rBV	451494	365984	8.35%	0.487%
14	9.401	1266	1269	1276	rVB2	54217	63202	1.44%	0.084%
15	9.483	1280	1283	1288	rBV	254461	227334	5.19%	0.302%
16	9.625	1302	1307	1310	rBV	2397237	2123584	48.44%	2.824%
17	9.654	1310	1312	1317	rVB	159135	128212	2.92%	0.171%
18	9.825	1337	1341	1346	rBV	116394	119072	2.72%	0.158%
19	9.942	1357	1361	1364	rBV2	57994	73694	1.68%	0.098%
20	10.166	1396	1399	1405	rVB	217801	202684	4.62%	0.270%
21	10.401	1435	1439	1444	rBV	2376086	1945506	44.38%	2.588%
22	10.524	1457	1460	1463	rBV3	55377	73154	1.67%	0.097%
23	10.613	1472	1475	1477	rBV3	66355	78523	1.79%	0.104%
24	10.719	1487	1493	1495	rBV	588524	588161	13.42%	0.782%
25	10.795	1500	1506	1509	rVB4	60381	95466	2.18%	0.127%
26	10.842	1509	1514	1515	rBV2	58626	78314	1.79%	0.104%
27	10.860	1515	1517	1521	rVV2	88842	87039	1.99%	0.116%
28	10.901	1521	1524	1525	rVV	100097	101046	2.30%	0.134%
29	10.919	1525	1527	1530	rVB	101168	83325	1.90%	0.111%
30	10.954	1530	1533	1536	rBV3	64362	83597	1.91%	0.111%
31	10.989	1536	1539	1542	rVB2	128120	108965	2.49%	0.145%
32	11.060	1548	1551	1554	rBV	291592	253132	5.77%	0.337%
33	11.095	1554	1557	1559	rVV	2644228	2292196	52.28%	3.049%
34	11.119	1559	1561	1564	rVV	2248918	1591443	36.30%	2.117%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.166	1564	1569	1572	rVB	598483	504851	11.52%	0.671%
36	11.219	1573	1578	1581	rBV	609597	550543	12.56%	0.732%
37	11.307	1590	1593	1594	rBV	61664	67402	1.54%	0.090%
38	11.324	1594	1596	1599	rVB	131644	124914	2.85%	0.166%
39	11.395	1605	1608	1610	rVB	85831	62519	1.43%	0.083%
40	11.424	1610	1613	1617	rVB3	134659	129621	2.96%	0.172%
41	11.507	1624	1627	1631	rVB	73602	69440	1.58%	0.092%
42	11.595	1639	1642	1644	rBV	425639	344526	7.86%	0.458%
43	11.624	1644	1647	1649	rVV	497326	451057	10.29%	0.600%
44	11.648	1649	1651	1653	rVV	364588	327887	7.48%	0.436%
45	11.671	1653	1655	1657	rVV2	249292	205504	4.69%	0.273%
46	11.701	1657	1660	1663	rVV	729955	801213	18.28%	1.066%
47	11.724	1663	1664	1668	rVB	347414	231442	5.28%	0.308%
48	11.824	1679	1681	1684	rVB4	77392	68343	1.56%	0.091%
49	11.889	1689	1692	1694	rVV	340281	349389	7.97%	0.465%
50	11.907	1694	1695	1700	rVB2	293146	179773	4.10%	0.239%
51	12.042	1715	1718	1720	rVB	123071	107345	2.45%	0.143%
52	12.071	1720	1723	1725	rBV	113079	94665	2.16%	0.126%
53	12.095	1725	1727	1729	rVB	101810	80350	1.83%	0.107%
54	12.142	1731	1735	1738	rBV2	396806	424792	9.69%	0.565%
55	12.177	1738	1741	1743	rBV	207058	201925	4.61%	0.269%
56	12.218	1746	1748	1754	rVB3	262407	383686	8.75%	0.510%
57	12.301	1758	1762	1765	rBV	4296169	3859900	88.04%	5.134%
58	12.354	1768	1771	1775	rBV2	200164	259451	5.92%	0.345%
59	12.389	1775	1777	1780	rVB	91826	67493	1.54%	0.090%
60	12.430	1781	1784	1785	rBV2	224313	232586	5.31%	0.309%
61	12.524	1795	1800	1803	rBV	4166981	4384153	100.00%	5.831%
62	12.548	1803	1804	1806	rVV2	147212	103912	2.37%	0.138%
63	12.577	1806	1809	1815	rVB3	155575	273066	6.23%	0.363%
64	12.642	1818	1820	1822	rBV	237574	200289	4.57%	0.266%
65	12.677	1822	1826	1832	rVB	3247703	2876006	65.60%	3.825%
66	12.748	1832	1838	1840	rBV2	398558	529553	12.08%	0.704%
67	12.830	1849	1852	1853	rBV	249619	265916	6.07%	0.354%
68	12.854	1853	1856	1859	rVB	590484	623534	14.22%	0.829%
69	12.918	1864	1867	1870	rBV	499991	411052	9.38%	0.547%
70	12.954	1870	1873	1876	rBV	649452	554138	12.64%	0.737%
71	13.013	1881	1883	1885	rBV2	108744	80251	1.83%	0.107%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.042	1885	1888	1891	rBV	361640	327980	7.48%	0.436%
73	13.077	1891	1894	1898	rBV	327555	304774	6.95%	0.405%
74	13.165	1904	1909	1912	rBV	4412763	4211643	96.07%	5.602%
75	13.230	1917	1920	1921	rBV3	109763	117849	2.69%	0.157%
76	13.354	1938	1941	1946	rVB	438665	493543	11.26%	0.656%
77	13.465	1956	1960	1963	rBV2	446884	596426	13.60%	0.793%
78	13.495	1963	1965	1967	rVV	406048	361348	8.24%	0.481%
79	13.513	1967	1968	1970	rVV	347840	242132	5.52%	0.322%
80	13.560	1974	1976	1981	rVB	343901	315251	7.19%	0.419%
81	13.618	1983	1986	1990	rBV3	256676	346451	7.90%	0.461%
82	13.660	1990	1993	1995	rVB	270716	238608	5.44%	0.317%
83	13.713	1997	2002	2005	rBV2	2964928	4328766	98.74%	5.757%
84	13.742	2005	2007	2009	rVB	2002904	1497685	34.16%	1.992%
85	13.818	2018	2020	2022	rVB	275018	186063	4.24%	0.247%
86	13.877	2027	2030	2032	rVB	286049	210064	4.79%	0.279%
87	13.936	2036	2040	2042	rBV	2546082	2261432	51.58%	3.008%
88	14.095	2063	2067	2071	rBV2	1277295	1383248	31.55%	1.840%
89	14.136	2071	2074	2077	rVB	355343	323226	7.37%	0.430%
90	14.189	2081	2083	2085	rBV2	206034	147310	3.36%	0.196%
91	14.218	2085	2088	2091	rBV3	380976	426201	9.72%	0.567%
92	14.277	2096	2098	2100	rBV2	198892	168332	3.84%	0.224%
93	14.707	2167	2171	2174	rBV	1794740	2586071	58.99%	3.440%
94	14.801	2184	2187	2192	rVB2	329092	413560	9.43%	0.550%
95	14.971	2212	2216	2221	rVB	996662	1224556	27.93%	1.629%
96	15.024	2221	2225	2227	rBV	1222282	1309017	29.86%	1.741%
97	15.077	2230	2234	2237	rBV	1671912	1779605	40.59%	2.367%
98	16.336	2444	2448	2453	rVB2	412198	649134	14.81%	0.863%
99	16.712	2508	2512	2516	rBV	301045	499001	11.38%	0.664%
100	17.259	2601	2605	2617	rVB	419454	899436	20.52%	1.196%

Sum of corrected areas: 75185221

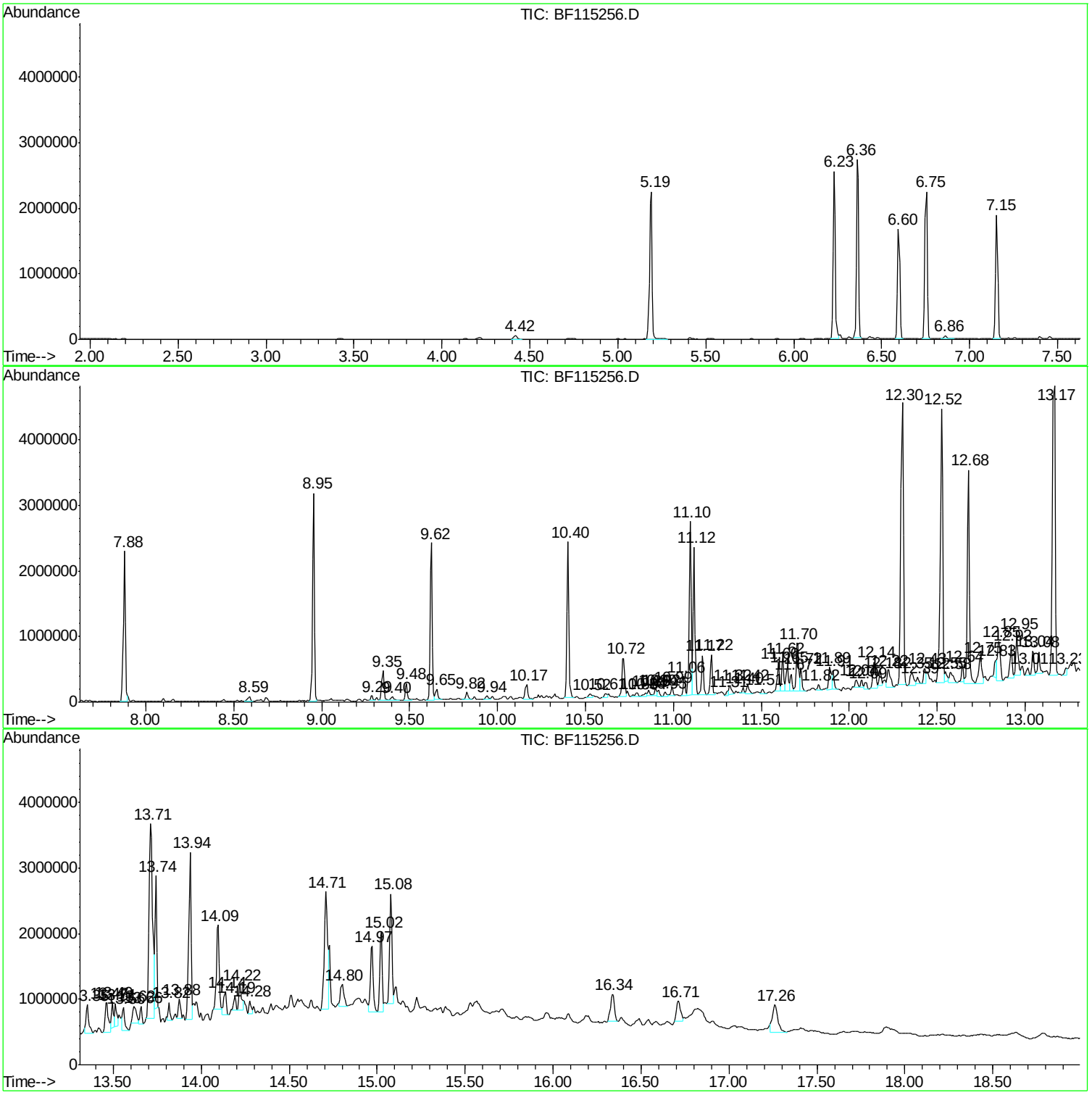
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
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Acq On : 28 Jun 2019 1:21
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Sample : K3532-05 2X
Misc :
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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

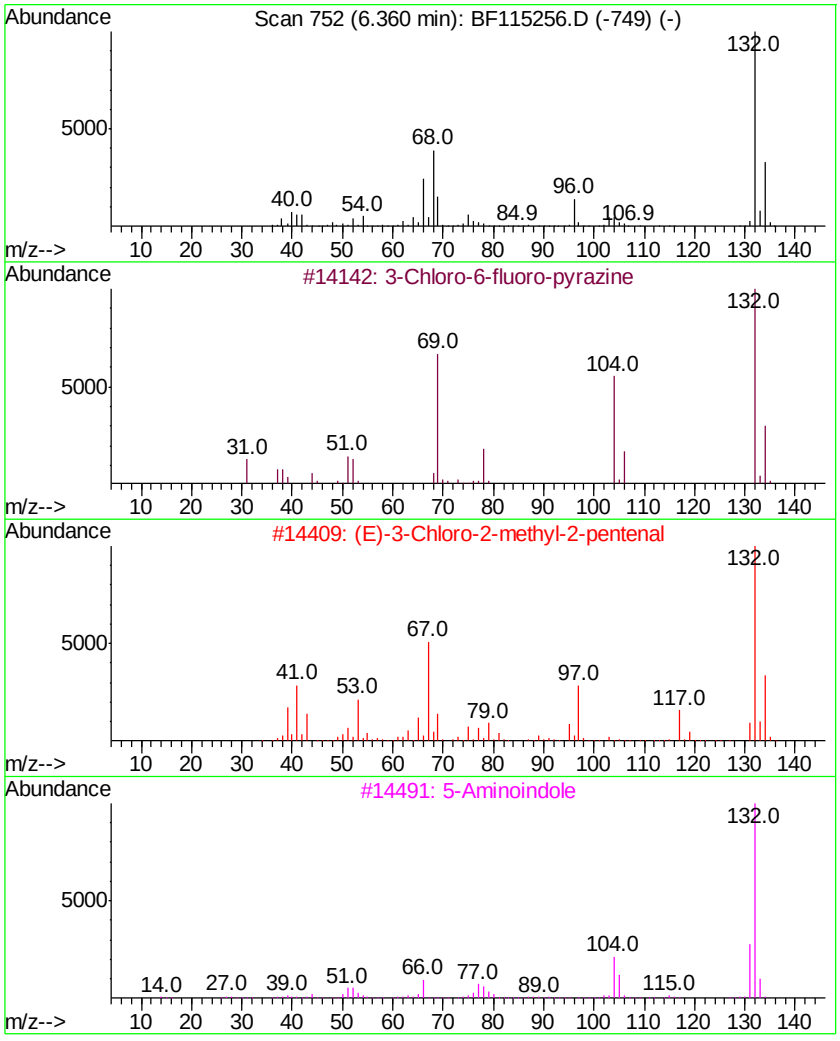
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

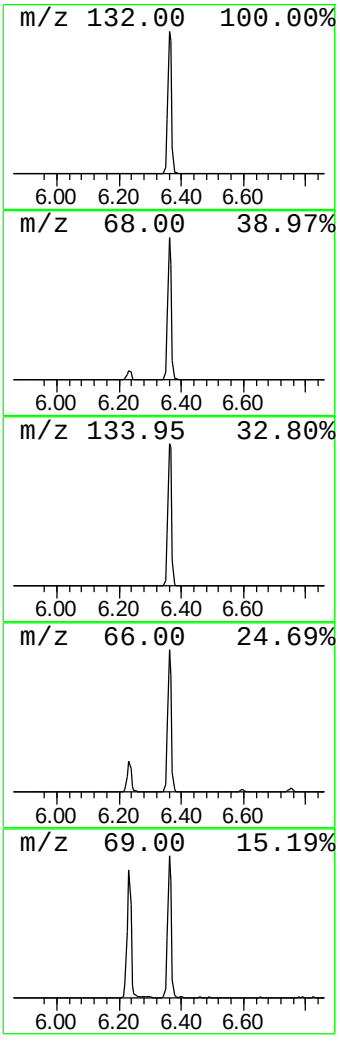
****

Peak Number 1 unknown6.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	36.15 ng	2425320	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

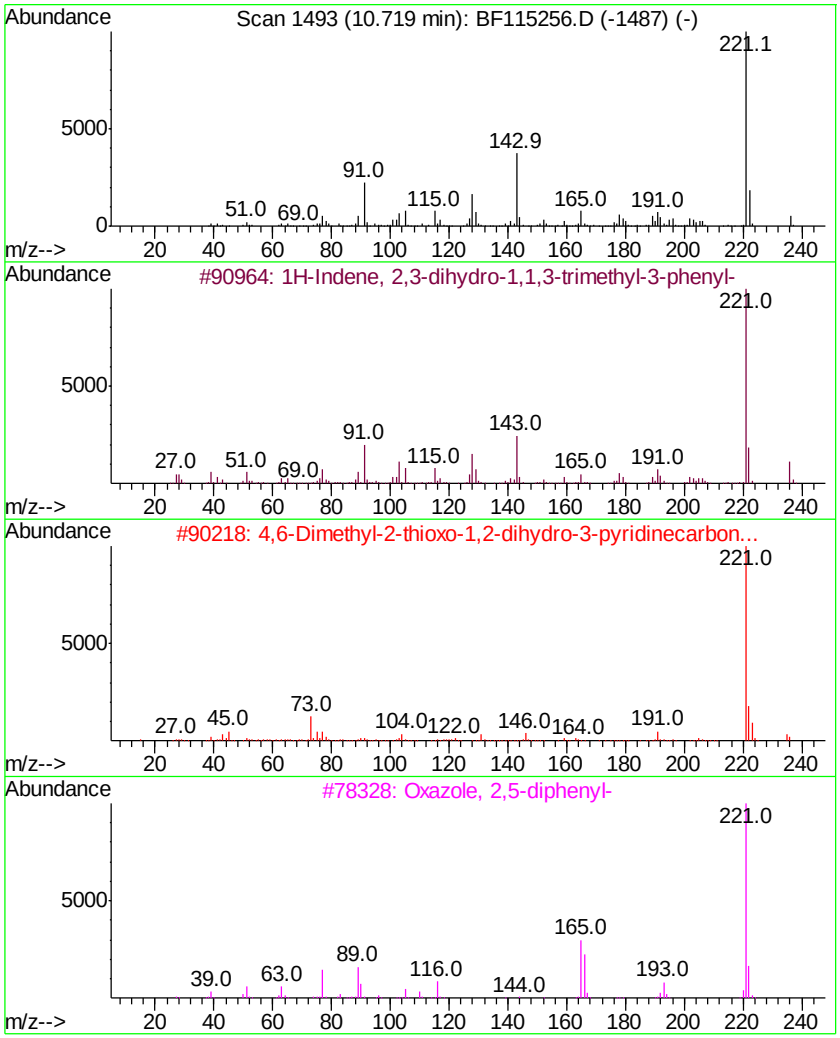
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

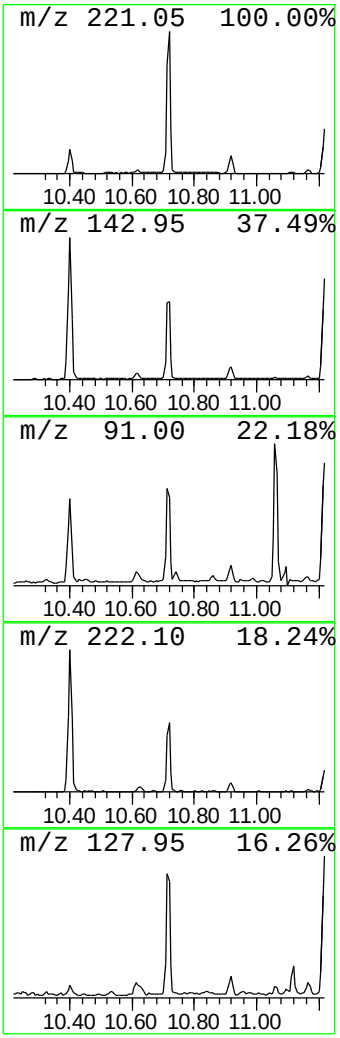
****

Peak Number 3 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	5.13 ng	588161	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	93
2	4,6-Dimethyl-2-thioxo-1,2-dihydr...	236	C11H16N2SSi	1000332-43-1	50
3	Oxazole, 2,5-diphenyl-	221	C15H11NO	000092-71-7	47
4	3,5-di-tert-Butyl-4-hydroxyanisole	236	C15H24O2	000489-01-0	38
5	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	38





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Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

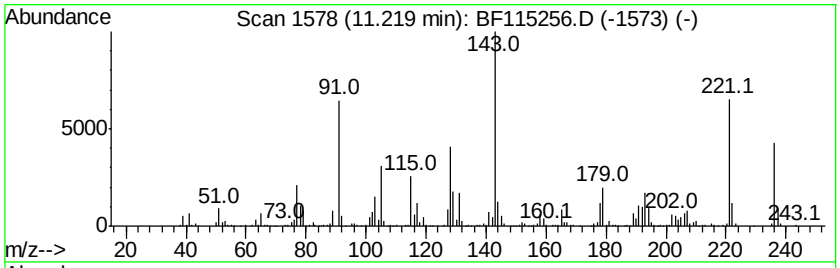
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

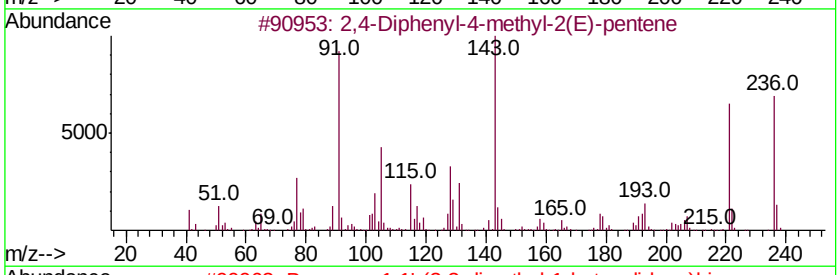
****

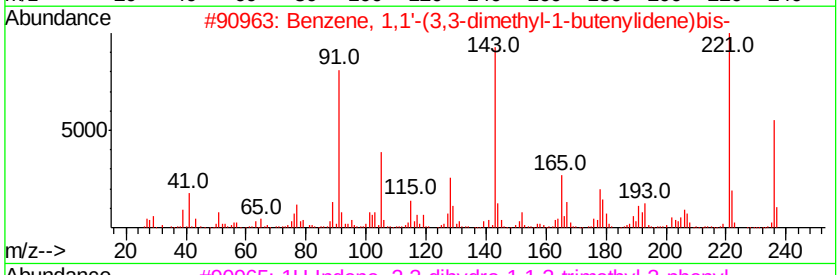
Peak Number 4 2,4-Diphenyl-4-methyl-2(E)-... Concentration Rank 9

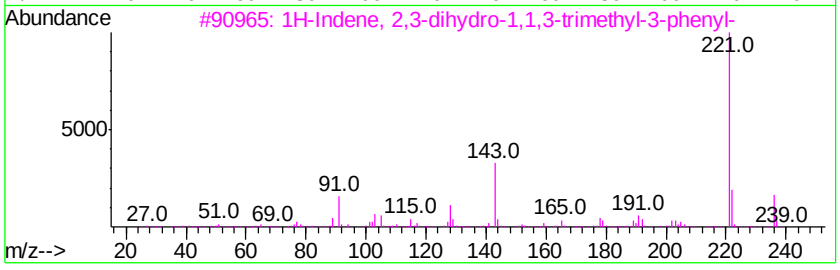
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.80 ng	550543	Phenanthrene-d10	11.10

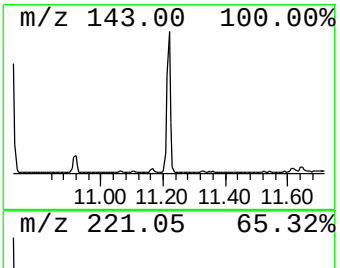
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diphenyl-4-methyl-2(E)-pentene	236	C18H20	022768-22-5	97
2	Benzene, 1,1'-(3,3-dimethyl-1-bu...	236	C18H20	023586-64-3	78
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	53
4	3,5-di-tert-Butyl-4-hydroxyanisole	236	C15H24O2	000489-01-0	38
5	Benzenethiol, 2,4,6-tris(1-methy...	236	C15H24S	022693-41-0	30

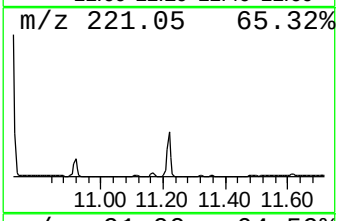


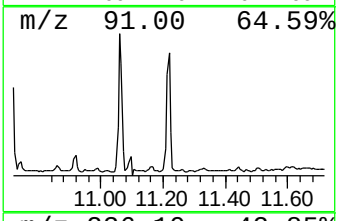


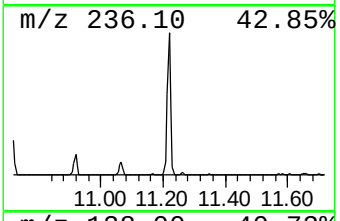


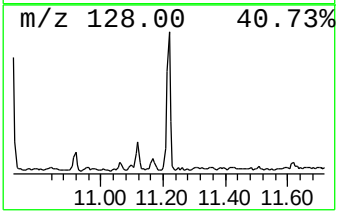












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

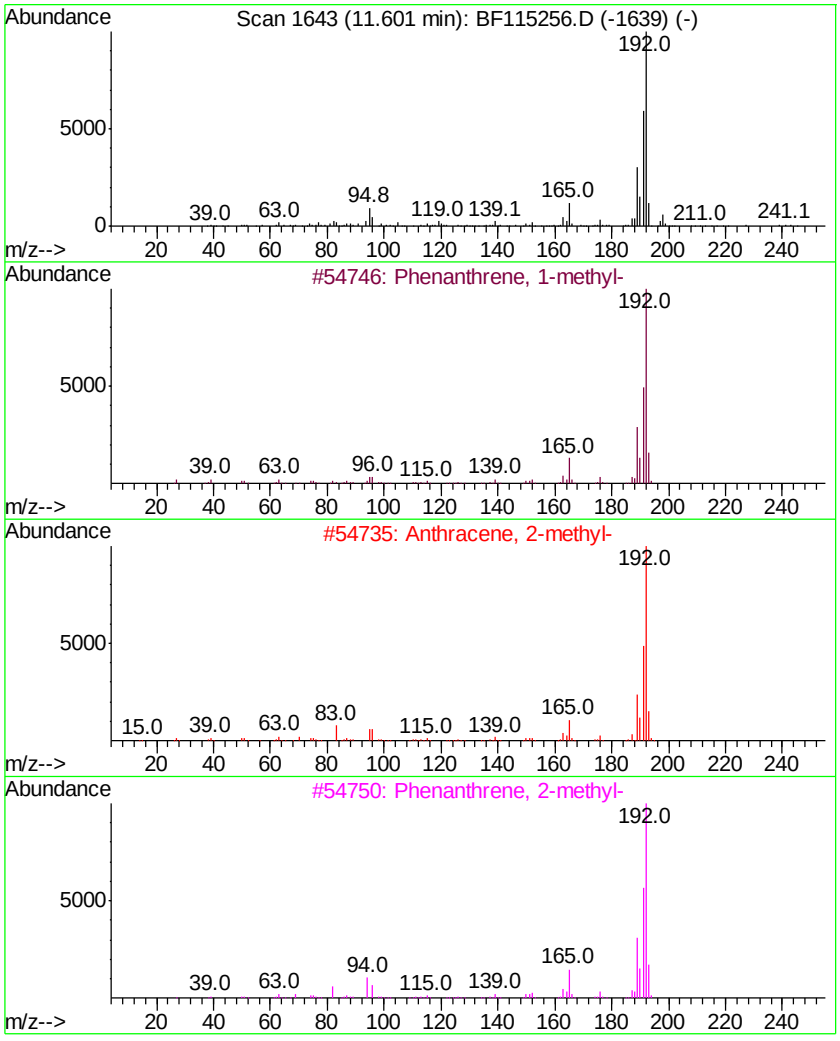
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

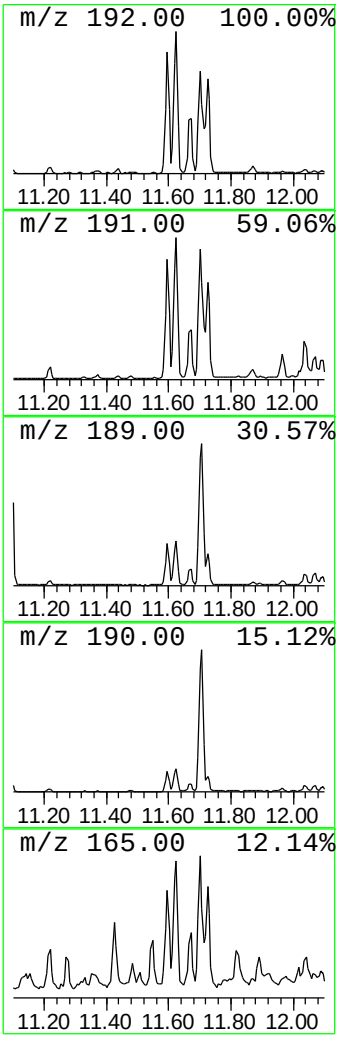
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	3.01 ng	344526	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : K3532-05 2X
Misc :
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ClientSampleId : TRIANGLE-AREA-SOIL-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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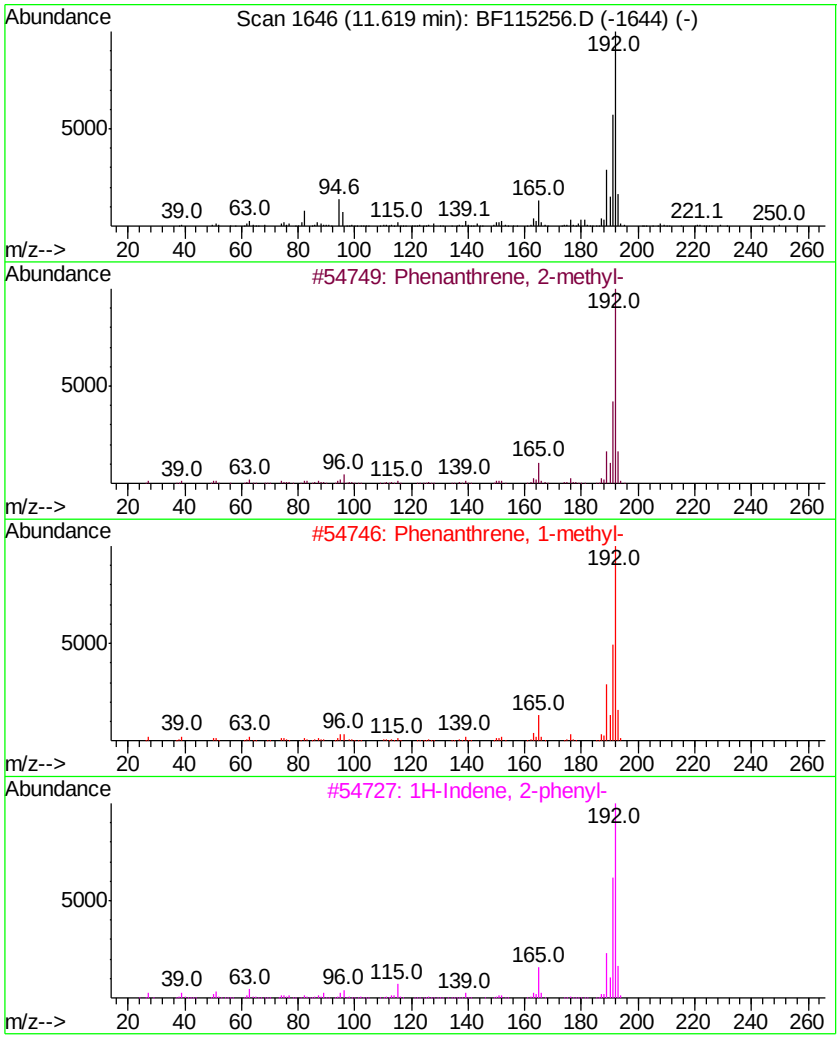
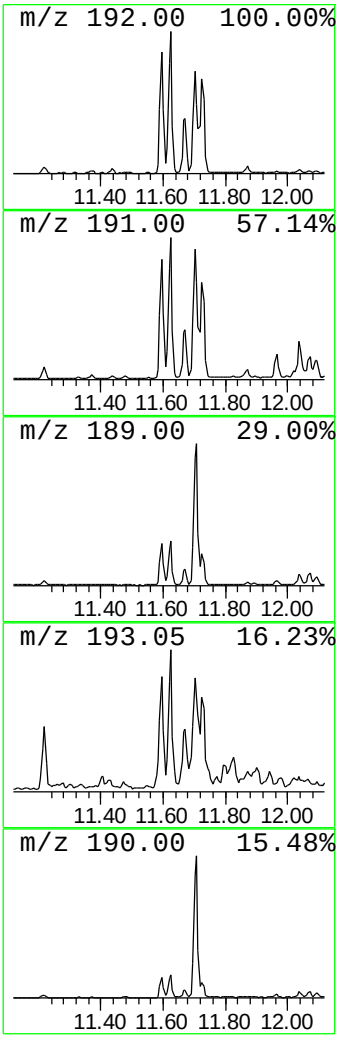
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.94 ng	451057	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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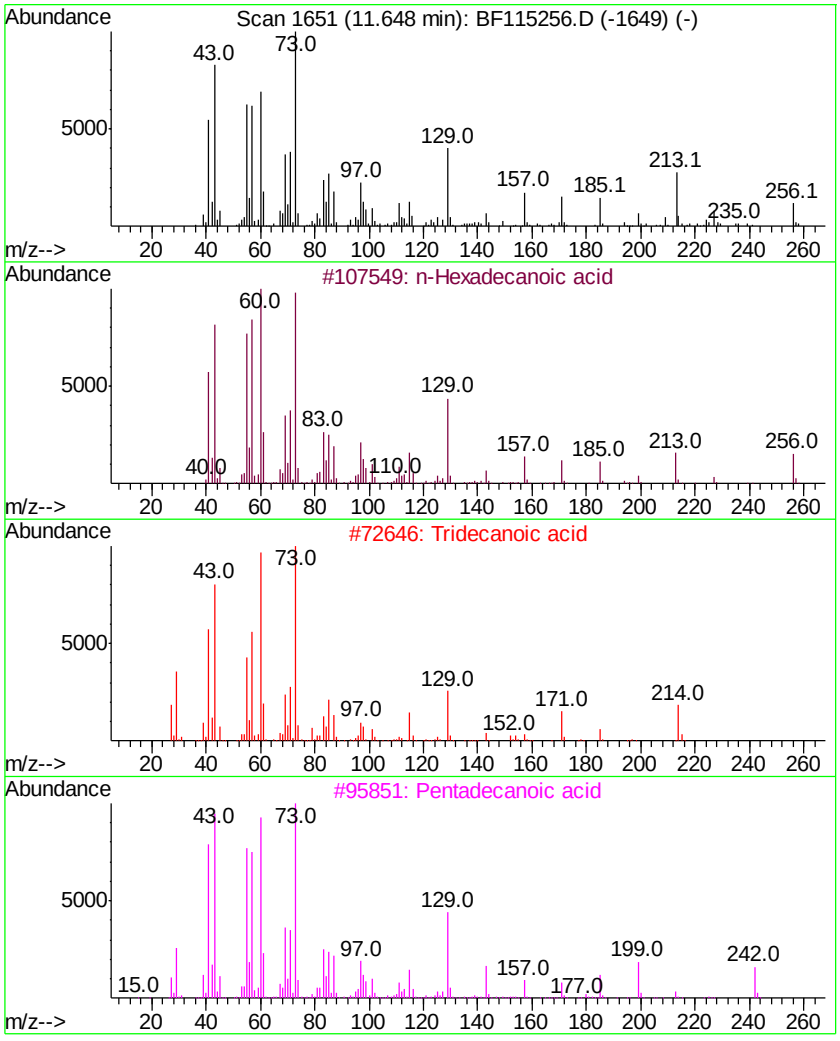
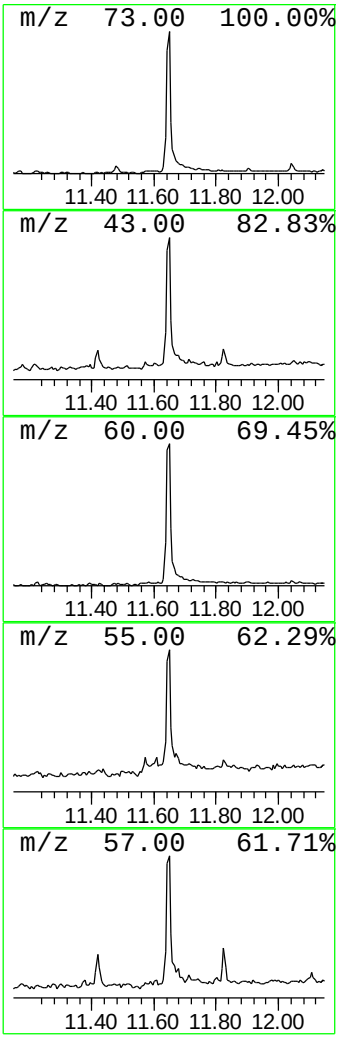
Peak Number 7 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	2.86 ng	327887	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
4	Undecanoic acid	186	C11H22O2	000112-37-8	68
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	68





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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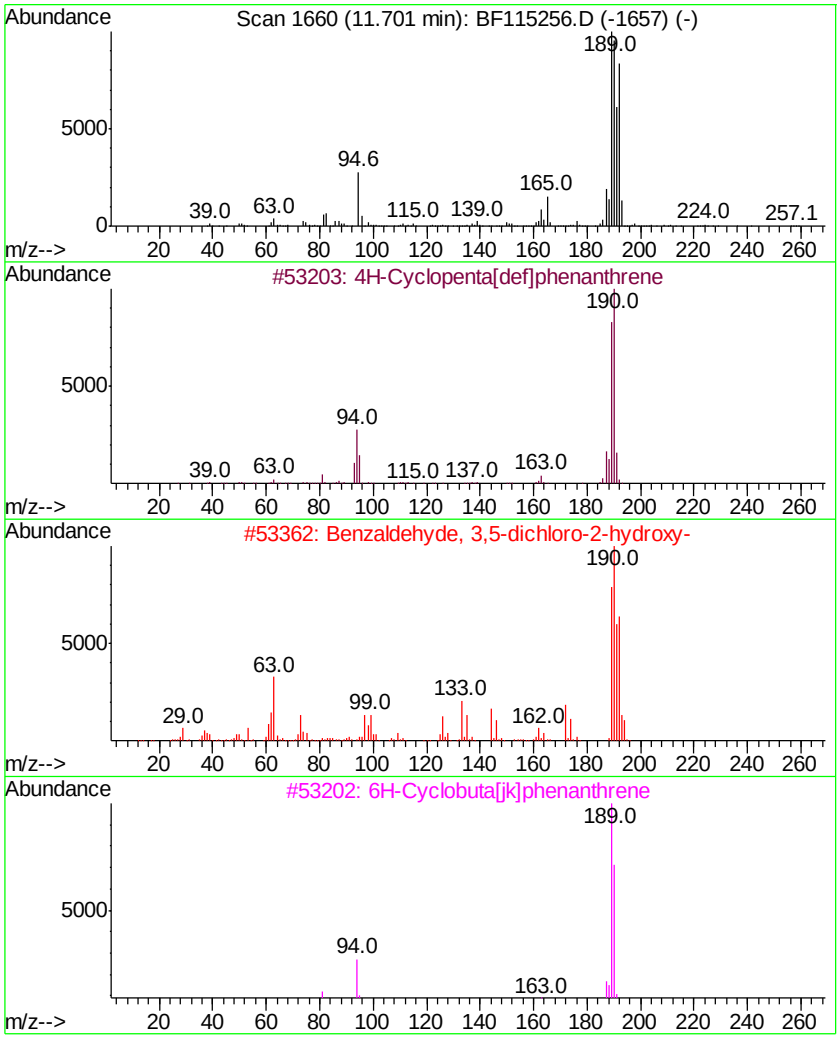
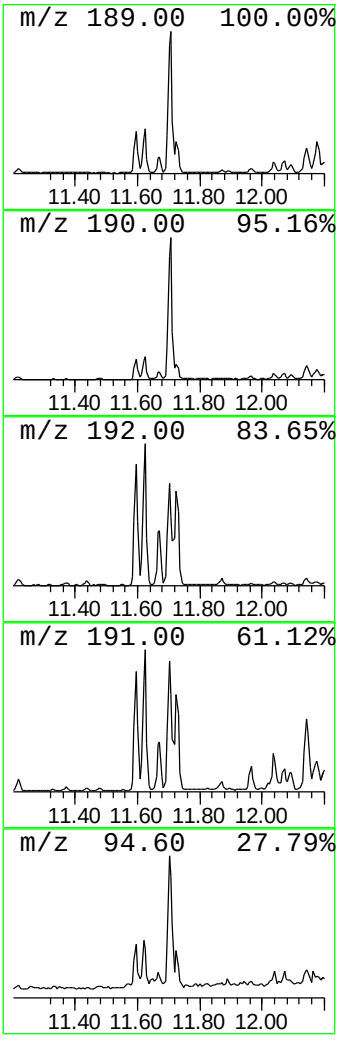
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.99 ng	801213	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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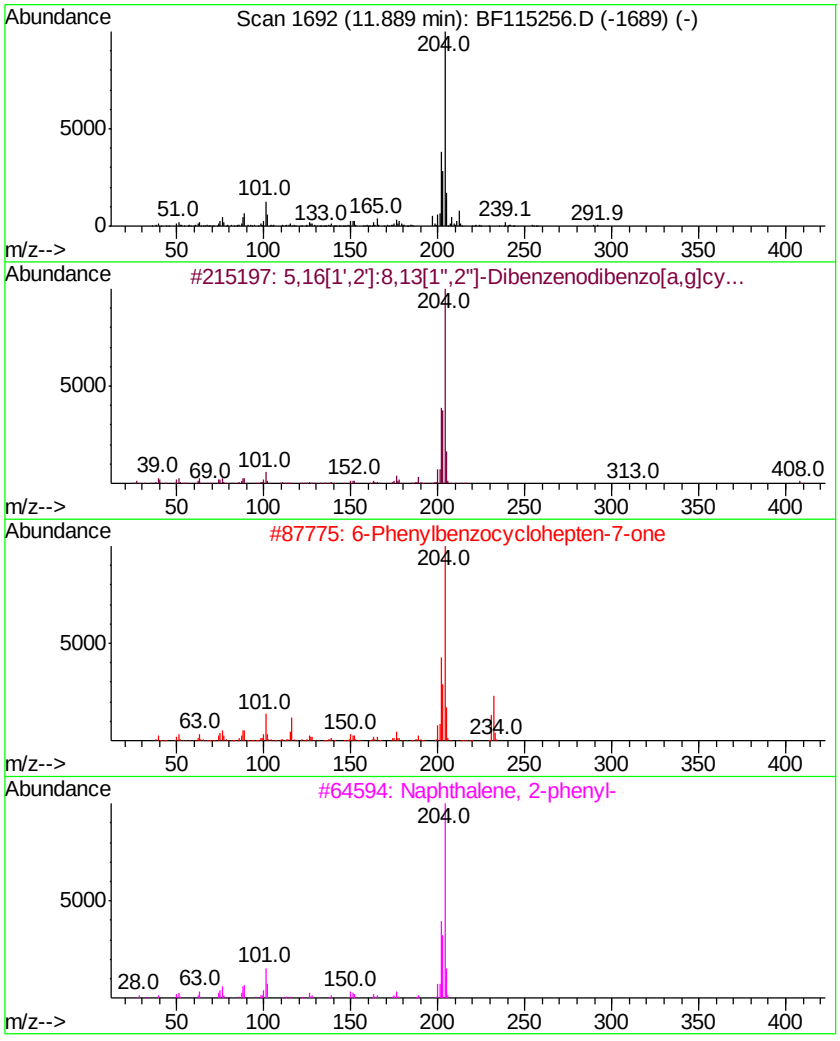
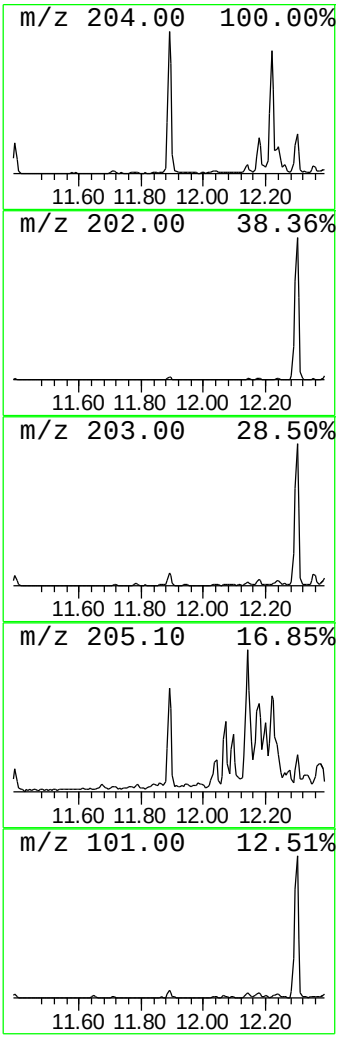
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.05 ng	349389	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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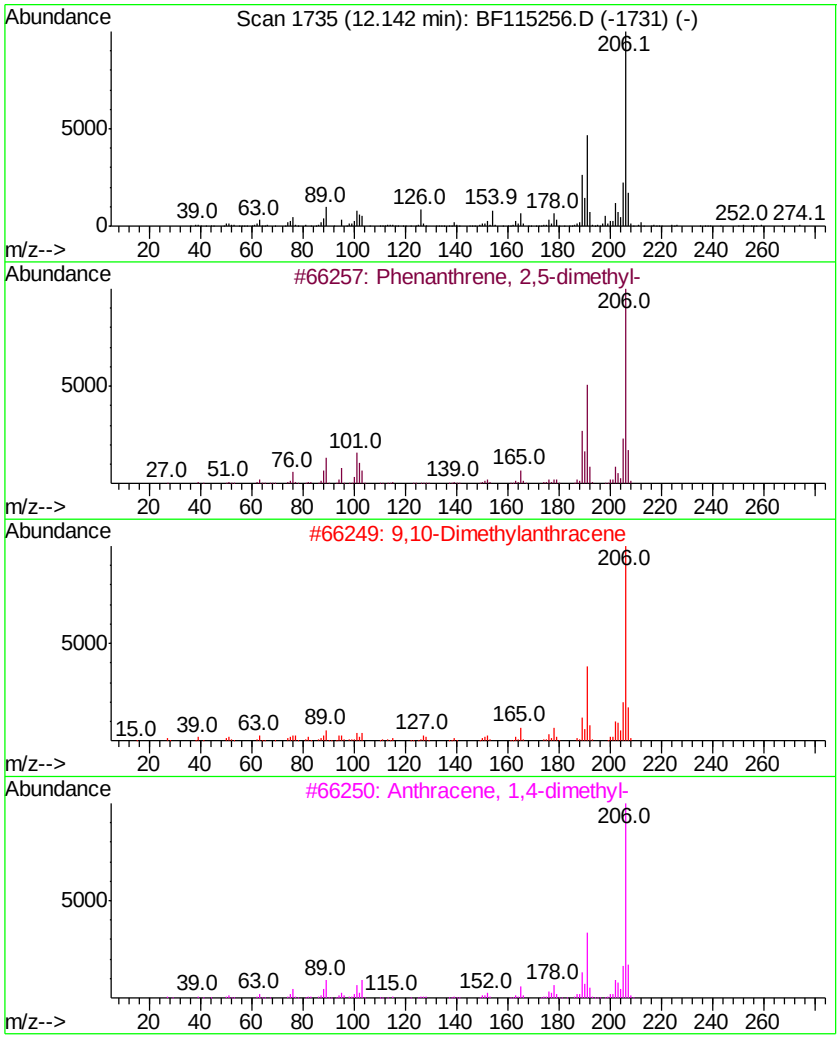
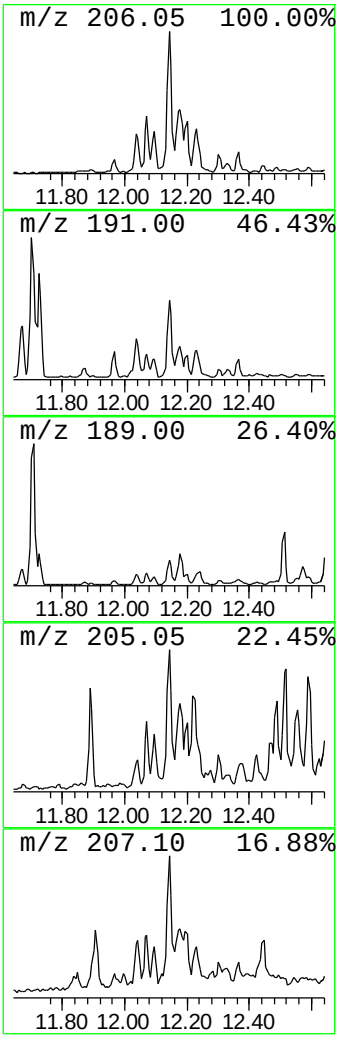
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.71 ng	424792	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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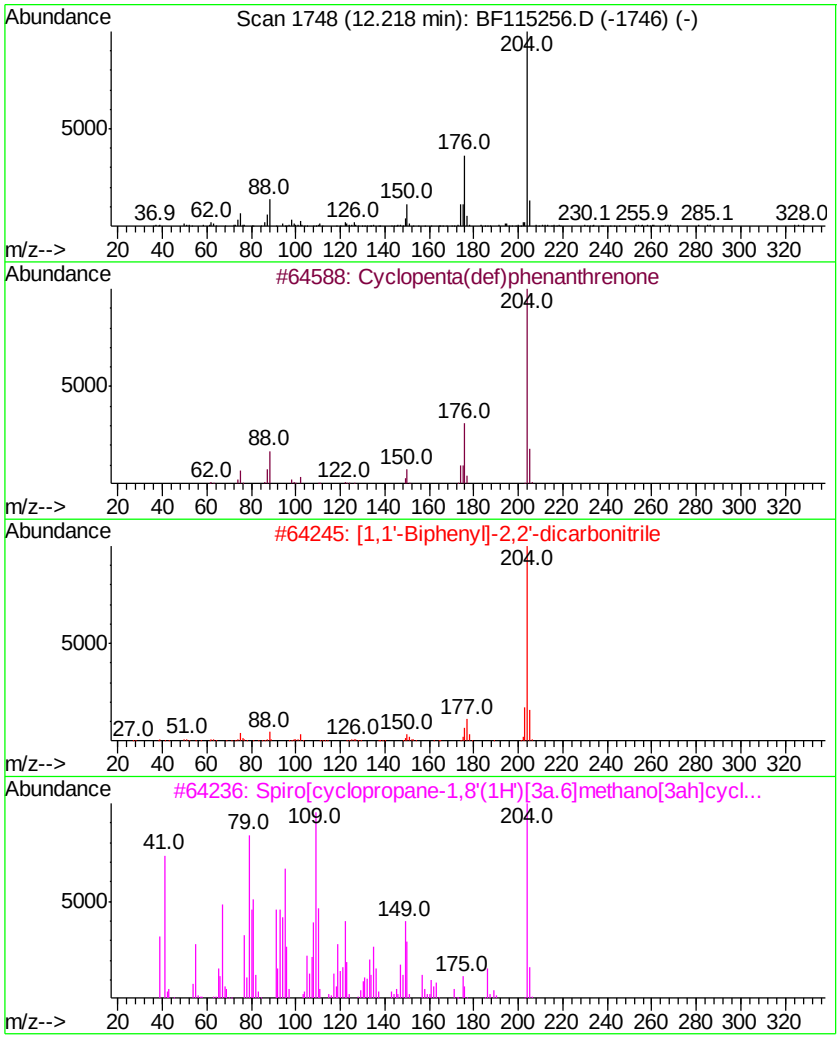
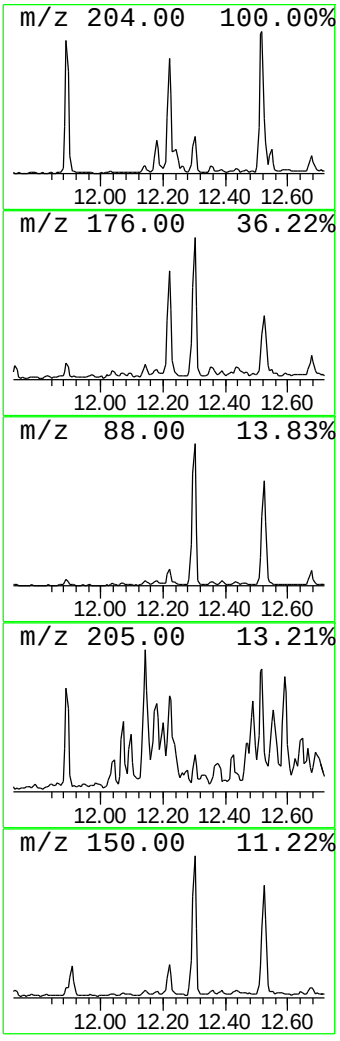
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.35 ng	383686	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	Spiro[cyclopropane-1,8'(1H')[3a....	204	C14H20O	452049-62-6	38
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	37





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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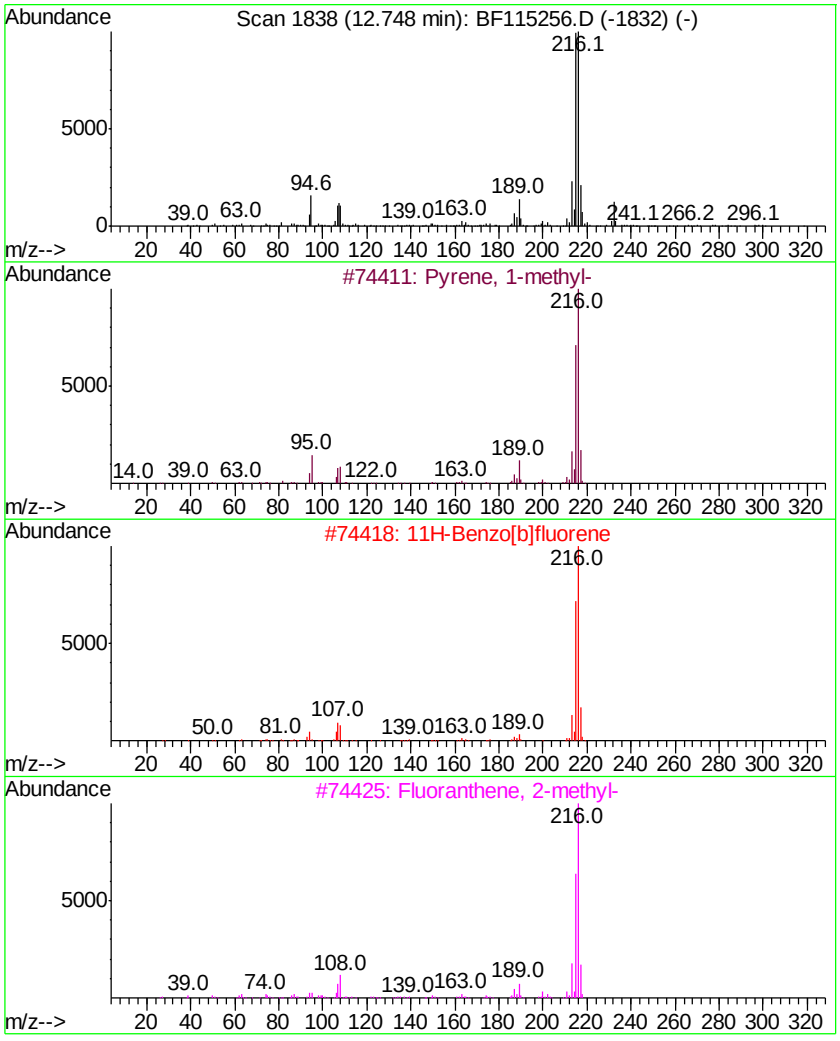
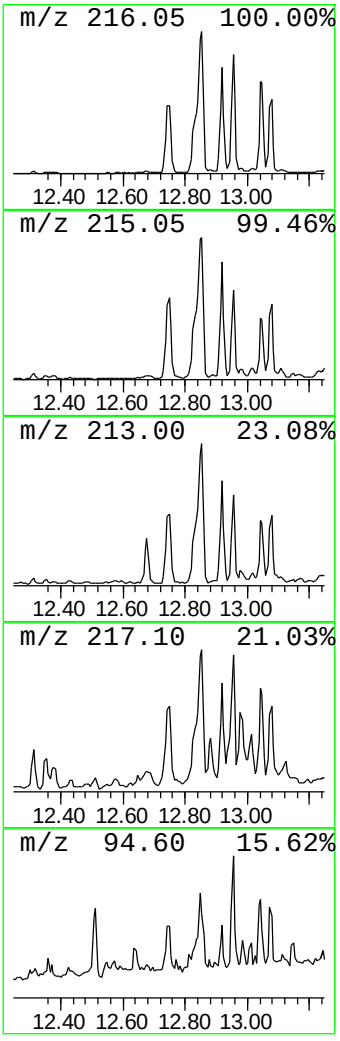
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	2.45 ng	529553	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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ClientSampleId : TRIANGLE-AREA-SOIL-A

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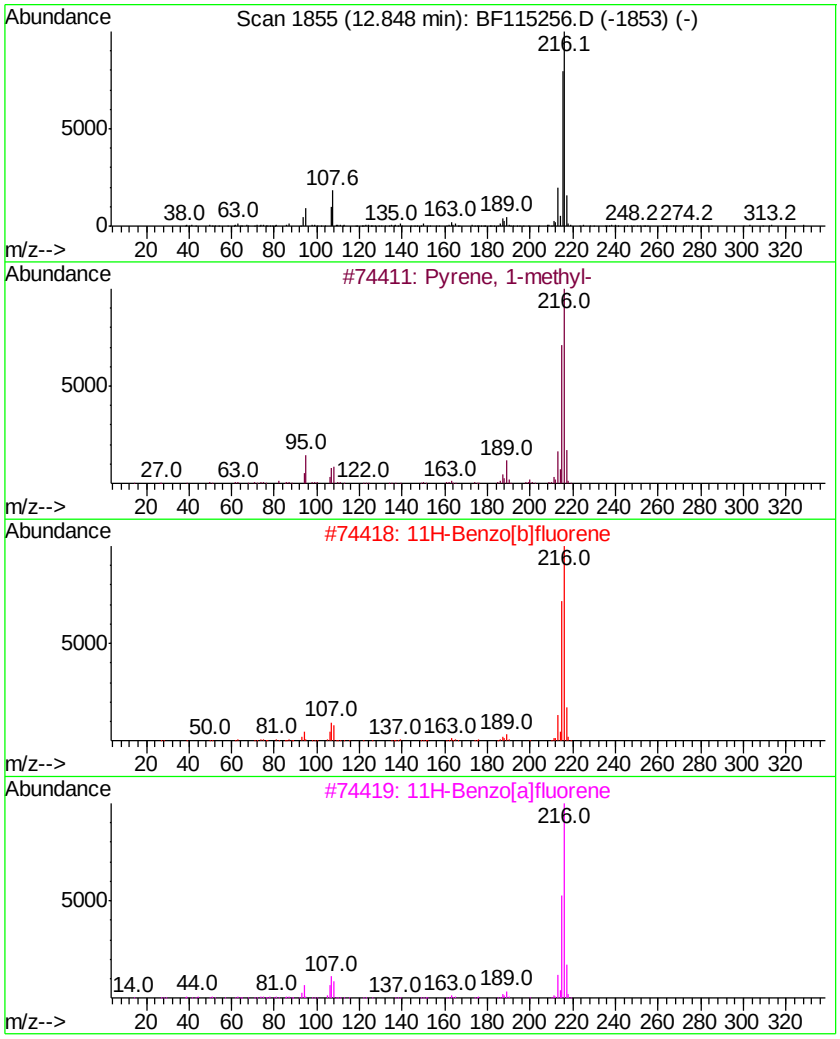
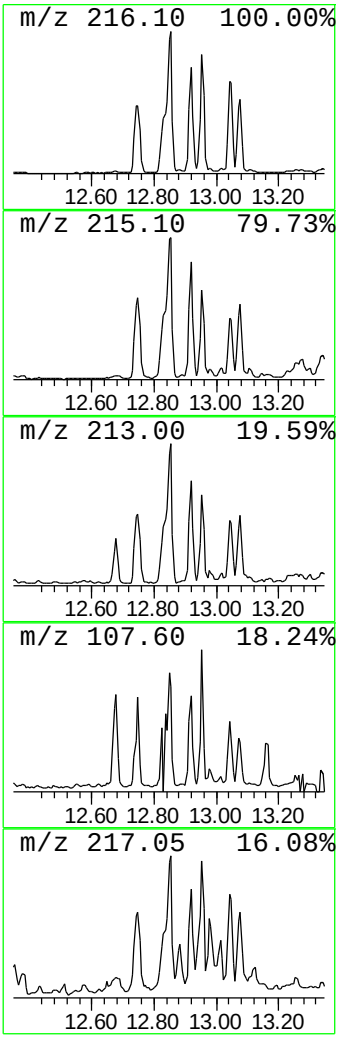
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	2.88 ng	623534	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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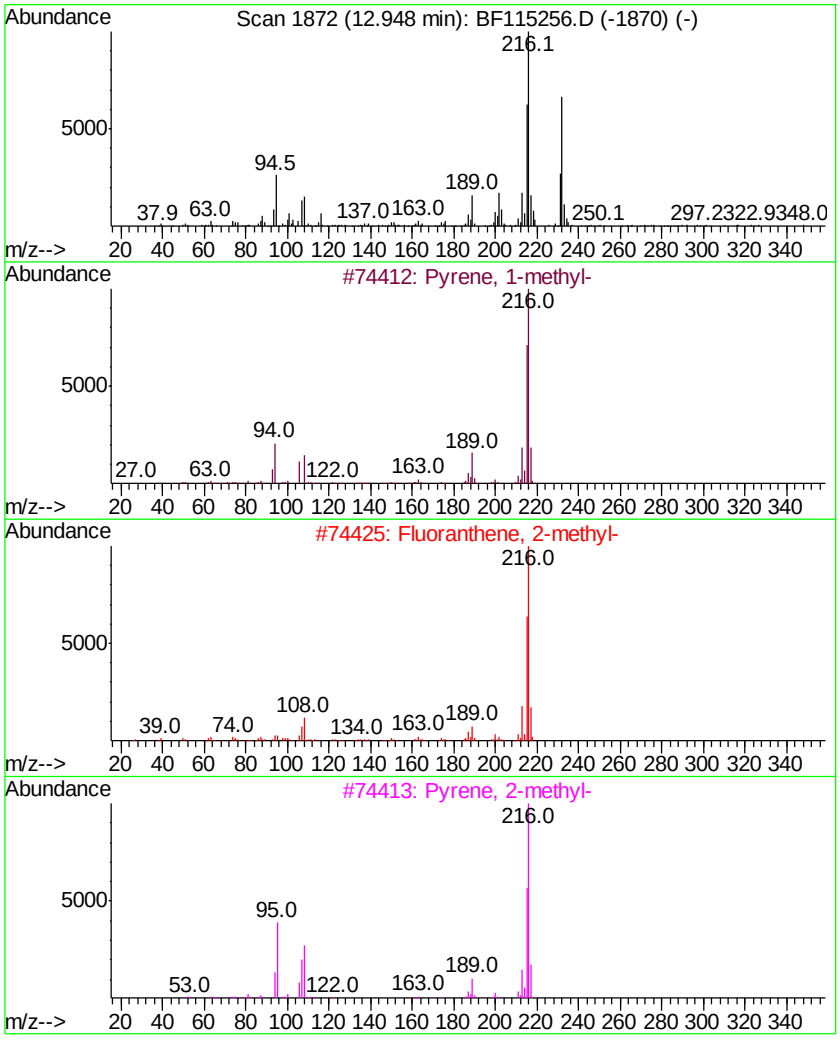
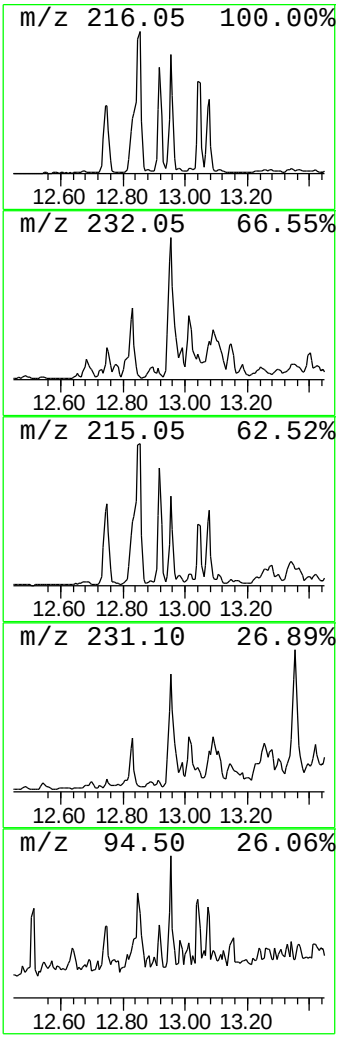
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.56 ng	554138	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	97
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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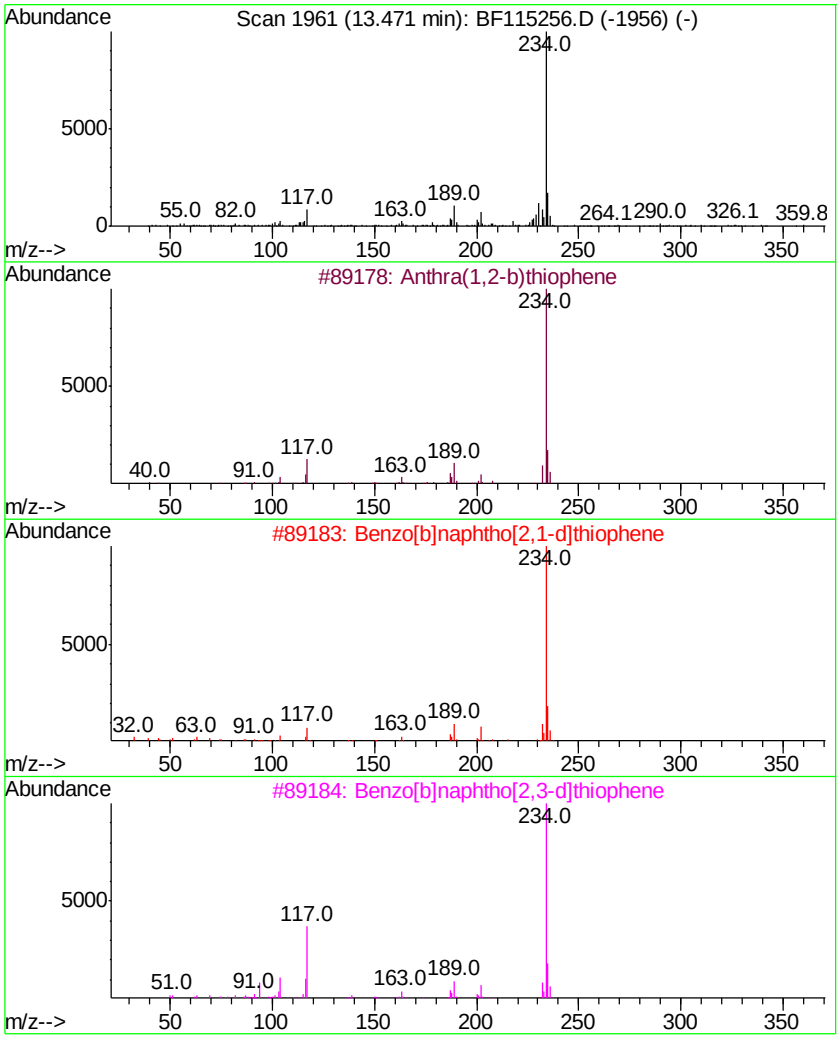
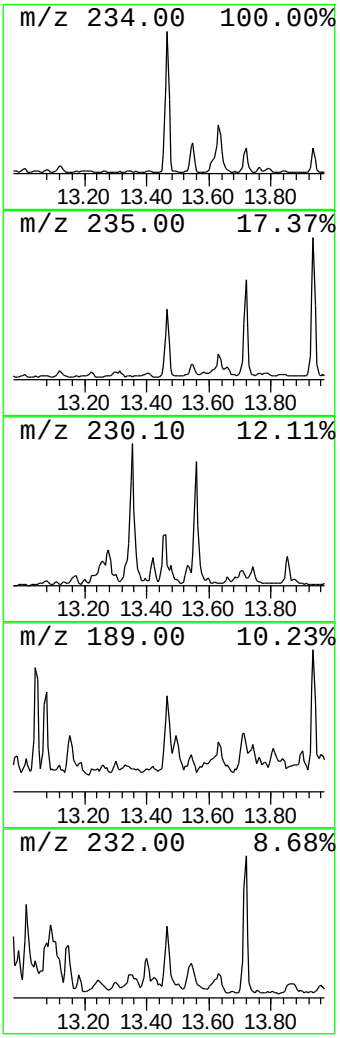
Peak Number 15 Anthra(1,2-b)thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.76 ng	596426	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	64





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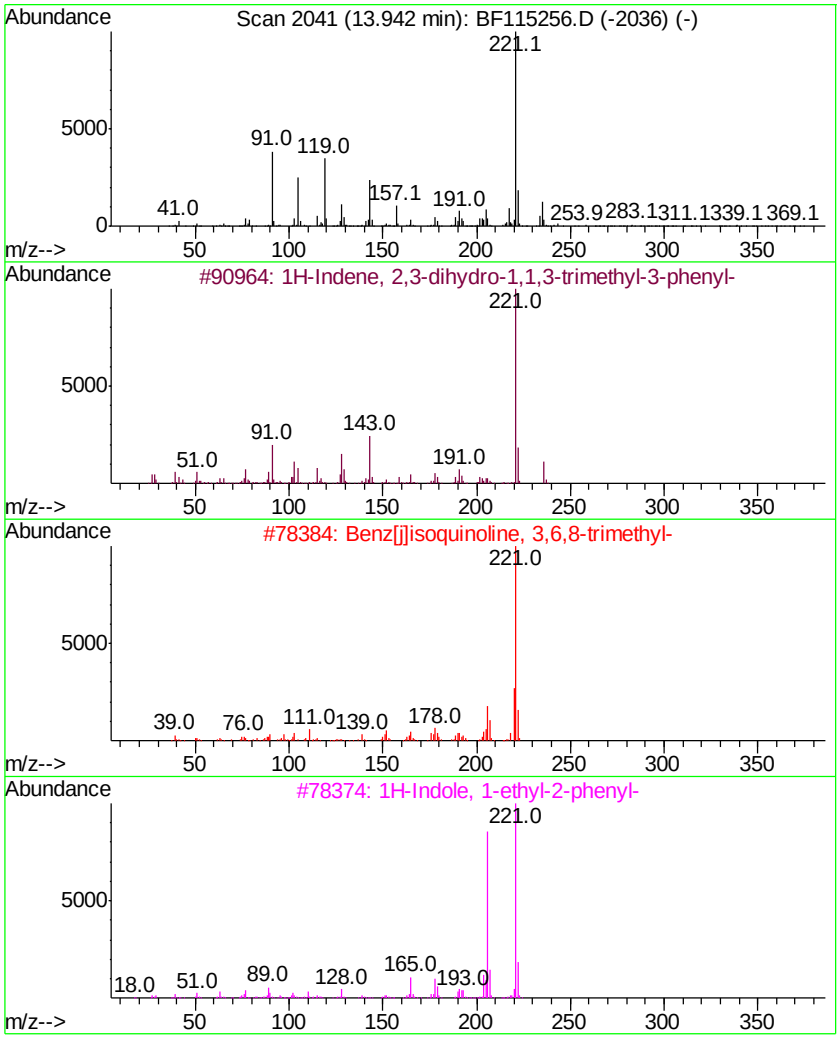
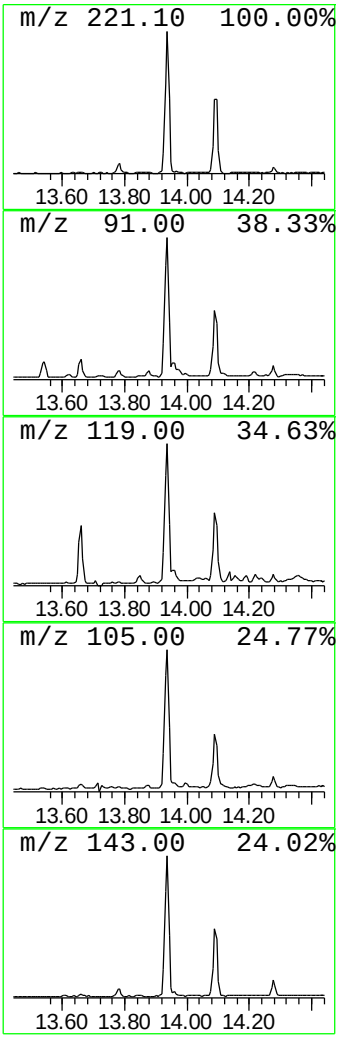
Peak Number 16 unknown13.94 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	10.45 ng	2261430	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	47
2	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	38
3	1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N	013228-39-2	38
4	1H-Naphtho[1,2-b]pyran-2-carboni...	316	C20H13FN2O	084186-24-3	38
5	Oxazole, 2,5-diphenyl-	221	C15H11NO	000092-71-7	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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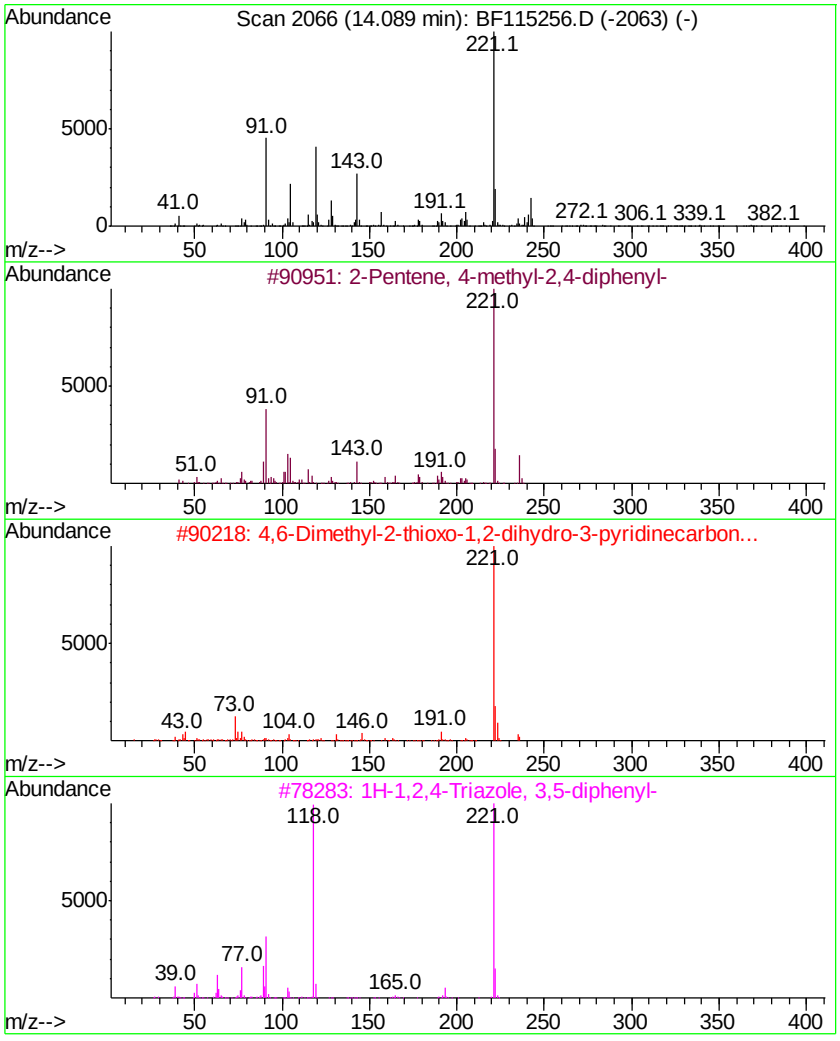
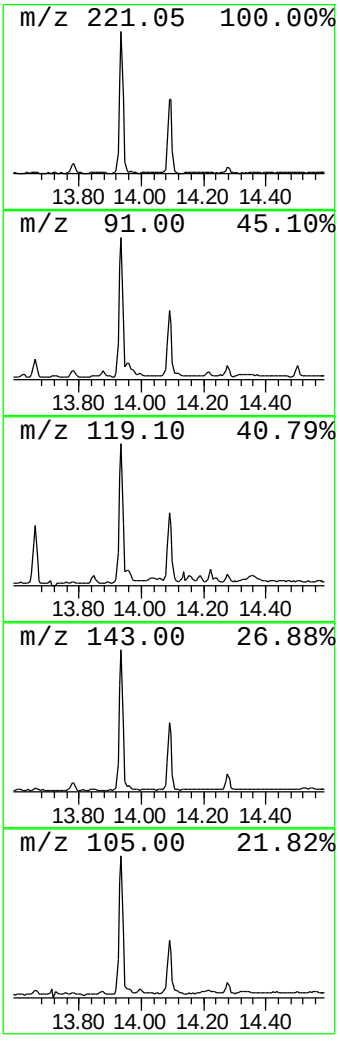
Peak Number 17 unknown14.09 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	6.39 ng	1383250	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-2,4-diphenyl-	236	C18H20	006258-73-7	47
2	4,6-Dimethyl-2-thioxo-1,2-dihydr...	236	C11H16N2SSi	1000332-43-1	38
3	1H-1,2,4-Triazole, 3,5-diphenyl-	221	C14H11N3	002039-06-7	38
4	Carbonic acid, monoamide, N-(2-e...	221	C13H19NO2	1000339-98-3	38
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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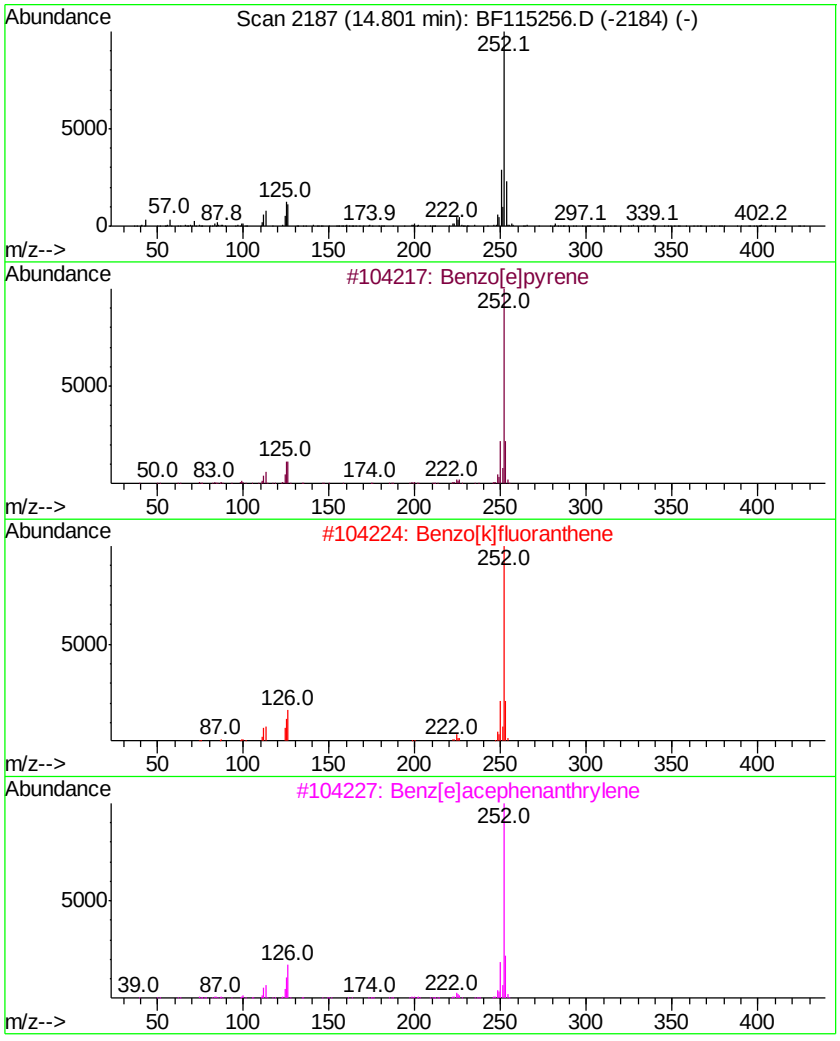
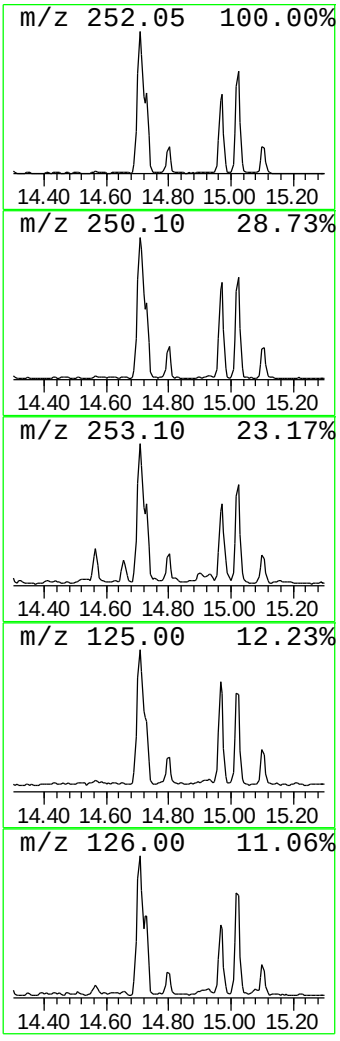
Peak Number 18 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	4.65 ng	413560	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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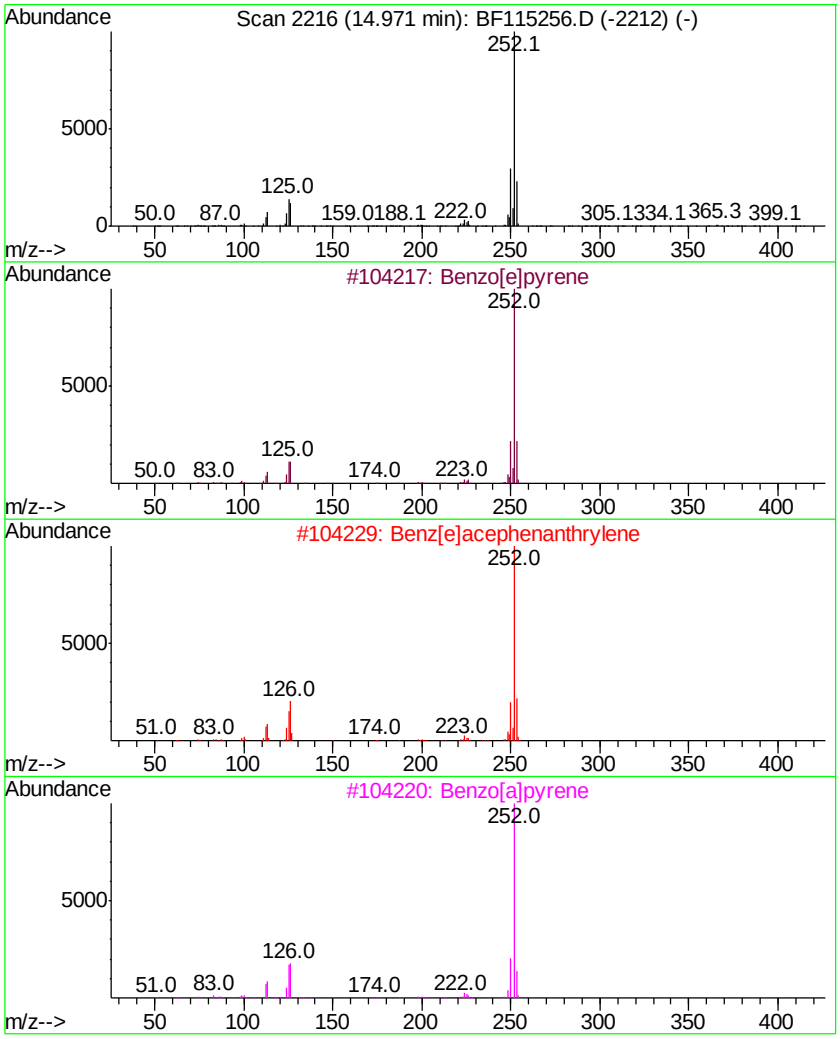
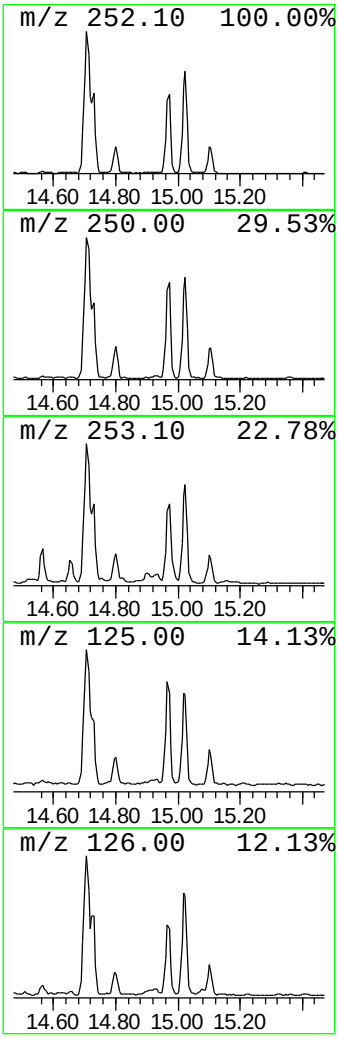
Peak Number 19 unknown14.97 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	13.76 ng	1224560	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	90





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Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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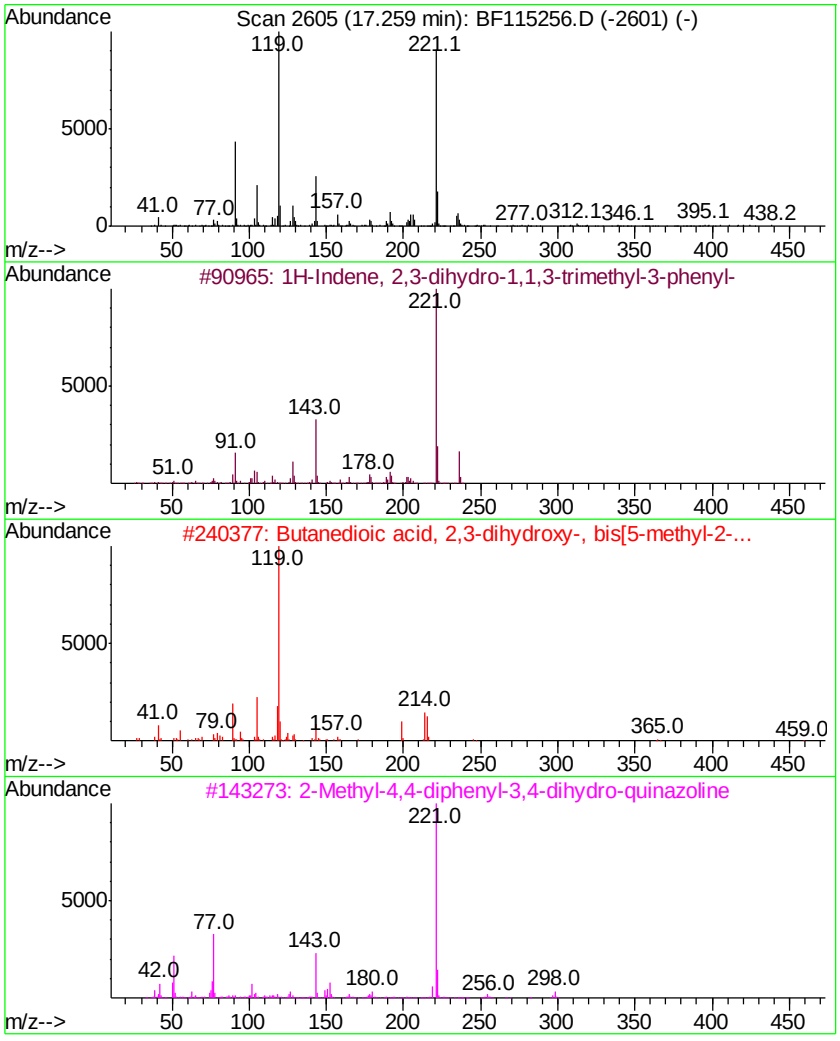
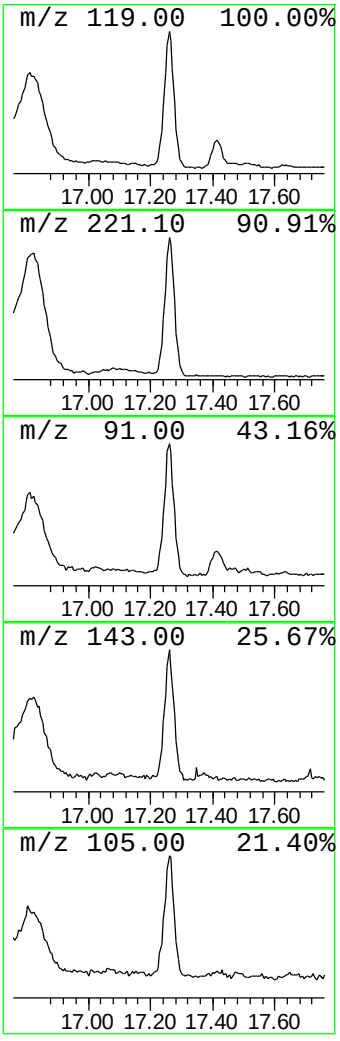
Peak Number 20 unknown17.26 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	10.11 ng	899436	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	38
2	Butanedioic acid, 2,3-dihydroxy-...	578	C36H50O6	125276-96-2	38
3	2-Methyl-4,4-diphenyl-3,4-dihydr...	298	C21H18N2	1000300-40-0	35
4	Ethanedione, (4-methylphenyl)phe...	224	C15H12O2	002431-00-7	35
5	.beta.- Alanine, N-(3-methylbenz...	235	C13H17NO3	1000321-62-5	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062719\
Data File : BF115256.D
Acq On : 28 Jun 2019 1:21
Operator : HP/JU
Sample : K3532-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.36	6.36	36.1	ng	2425320	1	6.60	1341860	20.0
1H-Indene, 2,3-di...	10.72	5.1	ng	588161	4	11.10	2292200	20.0
2,4-Diphenyl-4-me...	11.22	4.8	ng	550543	4	11.10	2292200	20.0
Phenanthrene, 1-m...	11.60	3.0	ng	344526	4	11.10	2292200	20.0
Phenanthrene, 2-m...	11.62	3.9	ng	451057	4	11.10	2292200	20.0
n-Hexadecanoic acid	11.65	2.9	ng	327887	4	11.10	2292200	20.0
4H-Cyclopenta[def...	11.70	7.0	ng	801213	4	11.10	2292200	20.0
5,16[1',2']:8,13[...	11.89	3.0	ng	349389	4	11.10	2292200	20.0
Phenanthrene, 2,5...	12.14	3.7	ng	424792	4	11.10	2292200	20.0
Cyclopenta(def)ph...	12.22	3.4	ng	383686	4	11.10	2292200	20.0
Pyrene, 1-methyl-	12.75	2.5	ng	529553	5	13.72	4328770	20.0
11H-Benzo[a]fluorene	12.85	2.9	ng	623534	5	13.72	4328770	20.0
Fluoranthene, 2-m...	12.95	2.6	ng	554138	5	13.72	4328770	20.0
Anthra(1,2-b)thio...	13.47	2.8	ng	596426	5	13.72	4328770	20.0
unknown13.94	13.94	10.4	ng	2261430	5	13.72	4328770	20.0
unknown14.09	14.09	6.4	ng	1383250	5	13.72	4328770	20.0
Benzo[e]pyrene	14.80	4.7	ng	413560	6	15.08	1779610	20.0
unknown14.97	14.97	13.8	ng	1224560	6	15.08	1779610	20.0
unknown17.26	17.26	10.1	ng	899436	6	15.08	1779610	20.0